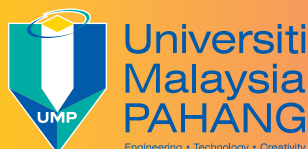


# FKASA MOMENT

*with knowledge we serve*

VOLUME: 03/18



**FACULTY OF CIVIL ENGINEERING & EARTH RESOURCES**

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## WELCOME NOTE FROM RESEARCH AND POSTGRADUATE DIVISION

"Congratulations and welcome to all new postgraduate students!

"Indeed you made the right decision by enrolling yourselves with us in Universiti Malaysia Pahang. I strongly believe that this opens a new chapter in your life. The pursuit to success is like a marathon race. There are many at the starting point but not all ends well at and finish the race. Thus, get yourselves ready and see you all at the finishing line!"



**DR. DOH SHU ING**  
Deputy Dean  
Research & Postgraduate Studies



## MOMENT WITH NCWE'18!

**18 - 19 August 2018** - FKASA has successfully organised the 2nd National Colloquium on Wind and Earthquake Engineering (NCWE) at Swiss Garden Beach Resort Kuantan attracting more than 40 participants. With 2 prominent keynote speakers on the subject matter: The First Keynote speaker is Professor Dr. Yukio Tamura, a prominent professor at the Chongqing University, China. He presented a paper entitled Mathematical Model for Understanding Phenomena: Physical View and Mind View. The second keynote speaker is the well-known Bapa Gempa in Indonesia, Professor Ir. H. Sarwidi from Islamic University Indonesia, with a paper entitled Lesson to Learn from Recent Earthquakes.

All selected papers will be published in IOP Conference Series: Earth & Environmental Science or International Journal of Civil Engineering & Geo-Environmental.

## FACULTY OF CIVIL ENGINEERING & EARTH RESOURCES

### JULY



Jamuan Raya FKASA  
5 July 2018  
FKASA, UMP

### AUGUST



Strategic Partnership with Malaysian Meteorological Department  
7 August 2018  
FKASA, UMP



FKASA Alumni Strategic Partnership Meet-up  
19 August 2018  
Swiss Garden Beach Resort, Kuantan



2nd National Colloquium on Wind and Earthquake Engineering (NCWE) 2018  
18 August 2018  
Swiss Garden Beach Resort, Kuantan



International Summer School of Sustainable Infrastructure  
2-15 Aug 2018  
Beijing Jiaotong University



SEPTEMBER



New Student Registration  
2 September 2018  
UMP

First Year Seminar  
4 September 2018  
UMP



Student Exchange Program (Academic Session I 2018/2019)  
September 2018 - February 2019  
Beijing Jiaotong University China



Introducing and Demonstrating Earthquake Engineering Research in Schools 2018  
(IDEERS 2018)  
11th and 15th of September 2018  
Taipei, Taiwan  
Advisor : Dr. Lim Kar Sing



The International Conference on Advances in Civil Engineering and Science  
Technology (ICACEST) 2018  
5th and 6th of September 2018  
UiTM Pulau Pinang  
Dr. Lim Kar Sing - Best Presenter Award (under research scope/theme:  
STRUCTURAL ENGINEERING)



## ARTICLE MOMENT

## RELEVANCE OF ROCK ENGINEERING TO CIVIL ENGINEERS! by Dr. Rock



The factors that are important when considering erection of structures on rock foundations are faults, joints, stratigraphy or potential cavities due to karstic features in limestone formation. The rock structure is an important consideration in geotechnical design. For example, rapid weathering of rock is a vital factor on rock slope stability design. Hence, when considering a rock site for construction the detail information must be available on the local and adjacent area as well as the key information on the local ground geology. The preliminary geotechnical reports should be based on detailed local geological information using boreholes and geophysics methods. In order to carry out civil engineering projects safely and successfully, such as road, bridges, tunnels, reservoirs and building constructions, a good site selection is important from the viewpoint of stability of foundation and the availability of construction materials, geology of an area which includes the rock-forming region, physical nature, permeability, faults, joints and etc. Generally the foundation problems of dams, bridges and buildings are directly related with the geology of an area where the structure is built on.

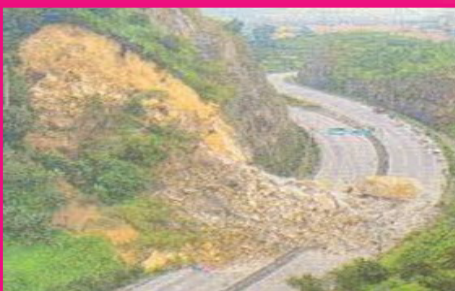
## Rock Engineering Projects in Malaysia

Generally in Malaysia and specifically in the state of Pahang, there are several projects that can be related to structures on and in rocks. One of the longest tunnel of 44 km, the Pahang-Selangor Raw Water Transfer Tunnel Project is an example to show how the rock engineering knowledge and water as mineral resources is highly utilised. The tunnelling job took place under the Titiwangsa Main Range through the Karak Formation of metamorphic and granite rock types. The aim of the project is to convey raw water from Sg. Semantan Pahang to the Hulu Langat water treatment facility in Selangor. However lack of expertise among Malaysian citizens in rock mechanics, rock engineering and tunnel engineering had just kept our engineers work on behalf of the owner of the project, while the designers and contractors are mostly from abroad.



Pahang-Selangor Raw Water Transfer Tunnel Project

Another significant project on rock is the rock slope where the stability and slope gradient are the main subject of concern. Malaysia being located in the tropical region, weathering always been the main threat to the rock slope. High rainfall intensity and heat wave from the sunlight around the year triggers the rock slope surface prone to weathering and failure. Knowledge and understanding in rock weathering classification and rock mass classification may help the rock slope designer in considering the appropriate factor of safety and the gradient of the cut slope to may avoid hazard of rock slope failure in the future.



Bukit Lanjan rock slope failure (left) and during remedial works (right)



Understanding on multi-field of studies is highly recommended to progress the development of engineering projects especially among the local civil engineers. The discovery of minerals and development of mining industry need to be supported with many competent engineers whom is well-versed in geology. Since most civil engineering projects involved some excavation of soils and rocks, and the mineral resources are mostly abundant in rock mass, the interrelations between the different body of knowledges and understanding of geology and rock engineering is utmost important in civil engineering course program at university level.



ALUMNUS MOMENT *by cikkie*

Mr. Mohamad Fikri bin Abdul Gani is one of the alumni of Faculty of Civil Engineering and Earth Resources (FKASA) of Universiti Malaysia Pahang (UMP), graduated in 2016. He was born in Ladang Kuala Hau, Machang, Kelantan on the 5th April 1991. He is the fifth son from eight siblings who has been brought up by his mother ever since he lost his father when he was eight years old. Fikri started his primary schooling at SK Kampung Kerilla, and continued to secondary school in SMK Dato' Ismail, Pasir Puteh, Kelantan. He then pursued his study in Perak Matriculation College after finishing his high school. In July 2018, Fikri got married to Noor Balqish binti Mohd Din whom is an alumni of FKASA. Both are working in the same place and currently, Fikri is the General Manager of UMP EcoPest Sdn. Bhd (UEP). During his student days, he actively involved in clubs and societies. He was elected to be the President of Dikir Barat UMP and joined the Sekretariat Himpunan Siswazah Anak-anak Kelantan (Sehimsak) and held a position as Vice President.

His talent and passion in Dikir Barat performing arts are proven to be too good when Fikri along with Warisan Sri Pujangga (WSP) UMP won the first place and nominated as Tukang Karut Terbaik in National level of Dikir Barat competition in Majlis Kebudayaan Universiti-universiti Malaysia (MAKUM) in 2016 and. Mr. Fikri and the team were also invited to perform in ASTRO Karot Komedia for the fourth consecutive season. He also involved in entrepreneurship activities during pursuing his degree, and started making some businesses by arranging chartered bus services for students during the semester breaks and festive holidays. The highest profit that Fikri gained sometimes reached RM6,000.00 per semester. Fikri also involves in sales of Pest Killa, a green technology products of UEP, which is one of the subsidiary company of UMP which uses green technology in its pest control products. The average incomes in sales was RM 2, 000.00 each semester. Fikri believes that university life is not just a place for education, but it is

also the place where one should learn how to live life by calling it 'Universiti Kehidupan'.

After graduation, Fikri worked as the Production and Marketing Manager in UEP. His mentor is none other than Mr. Abdul Syukor bin Abd. Razak, the Managing Director of UEP, also a senior lecturer in FKASA. With all the supports from UEP staffs and management team, Fikri was able to reach sales target of RM 500,000.00 in Pest Killa products and assisted in Pisoptera unit to make a net sales of RM 700,000.00 in 2017. In April 2018, Fikri has been promoted to General Manager position and his target is to achieve 2.6 millions of revenue in 2018. As the GM, Fikri has to implement work principles based on three international standards obtained in February 2018 which are the ISO 1900 (management), ISO 14001 (environmental), and OHSAS 18001 (safety and health).

Some of his key believes to success are:

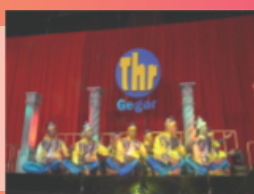
- Strong bond with the creator Allah SWT.
- Always love and take good care of his mother
- Be honest, sincere and maintain high self-confidence in all aspects of work, life and family.



Mr. Mohamad Fikri Bin Abdul Gani  
General Manager of UMP Ecopest  
Sdn. Bhd.



Mr. Fikri with his  
awards and his  
team mates  
performing in  
ASTRO



Mr. Fikri and his beloved mom

*"Academic qualifications are important and so is financial education. They're both important and schools are forgetting one of them"*

*"The size of your success is measured by the strength of your desire; the size of your dream; and how you handle disappointment along the way"*



Mr. Fikri during  
entrepreneur  
workshop



Mr. Fikri and  
his lovely wife



Mr. Fikri and his UMP EcoPest associates, awards, with mass media & collaboration project in India 2018



## MyTrip MOMENT by Dr. Doh Shu Ing

BEIJING-AUGUST 2018, International Summer School of Sustainable Infrastructure (1-16 August 2018) is the annual event organised by Beijing JiaoTong University. This program was organized as part of the summer school activities including a public lecture, laboratory visit, site visit and industrial visit. Many prominent speakers and experts in the field were invited from France, Norway, China and Malaysia. Besides that, it was also aimed at initiating academic and research collaborations between the universities. I would like to share some of the beautiful moment that I captured during my trip to China.



ChingLungChiao Train Station (the 1st Train Station in China)

China Key Research Laboratory in BeijingJiaoTong University



Railway and Infrastructure Museum tour



It was a great trip and I decided to wrap up my trip to Beijing with a great moment at the GREAT WALL of CHINA.



Visit to high speed railway station



## FKASA Alumni Strategic Partnership Meet-up

19 August 2018 – For the first time FKASA has engaged in an activity with its Alumni. The event took place in Swiss Garden Beach Resort, Kuantan with 11 turn ups. With the theme of 'Built to Last', FKASA hopes that the partnership between its alumni will be stronger in years to come and last forever. The input that the alumni gave contributes a lot in making the programs offered more sustainable and relevant with the ever changing industrial needs. Engagement with the alumni is one of the strategic plan that FKASA do in order to stay connected with the industry.

The event began with a montage of 'Down to Memory Lane' that portrays events way back in 2014, continued with Kahoot Quiz, a T-shirt Design Competition and the launching of #FKASAMoment IG. Alumni may look up for more of these type of exciting activities to come in the near future events.



## FKASA NEWBIES



NAME : RAMADHANSYAH PUTRA JAYA  
 POSITION : ASSOCIATE PROFESSOR  
 EXPERTISE : PAVEMENT TECHNOLOGY, CONCRETE TECHNOLOGY, NANO MATERIALS  
 EDUCATION : DOCTORAL DEGREE, UNIVERSITI SAINS MALAYSIA  
 : MASTERS DEGREE, UNIVERSITI SAINS MALAYSIA  
 : BACHELOR DEGREE, UNSYIAH, BANDA ACEH

NAME : HARYATI BINTI AWANG  
 POSITION : ASSOCIATE PROFESSOR  
 EXPERTISE : ROCK ENGINEERING AND SITE INVESTIGATION INCLUDING GEOPHYSICS EXPLORATION  
 EDUCATION : DOCTORAL DEGREE, UNIVERSITI TEKNOLOGI MARA, SHAH ALAM BRANCH  
 : MASTERS DEGREE, UNIVERSITI TEKNOLOGI MALAYSIA  
 : BACHELOR DEGREE, UNIVERSITI MALAYA



NAME : KHAIRIL AZMAN BIN MASRI  
 POSITION : SENIOR LECTURER  
 EXPERTISE : PAVEMENT ENGINEERING HIGHWAY & TRANSPORTATION, NANOMATERIAL  
 EDUCATION : DOCTORAL DEGREE, UNIVERSITI TEKNOLOGI MARA, SHAH ALAM BRANCH  
 : MASTERS DEGREE, UNIVERSITI TEKNOLOGI MALAYSIA  
 : BACHELOR DEGREE, UNIVERSITI TEKNOLOGI MALAYSIA

NAME : RAHIMI A. RAHMAN  
 POSITION : SENIOR LECTURER  
 EXPERTISE : ORGANIZATION EFFECTIVENESS, PROJECT GOVERNANCE AND TALENT DEVELOPMENT  
 EDUCATION : DOCTORAL DEGREE, ARIZONA STATE UNIVERSITY, USA  
 : MASTERS DEGREE, SAITAMA UNIVERSITY, JAPAN  
 : BACHELOR DEGREE, SAITAMA UNIVERSITY, JAPAN





# HERO AT THE MOMENT

Abdulmajeed Ali Al-hokabi is a 4th year student from Yemen. He is the 2nd child from a family of 23 brothers and sisters, proud to have him as the 'Hero at the Moment'. Coming from a challenging background, Majeed has set a good example and a benchmark for the rest of the international students of FKASA with his excellent achievement not only in academic but also in extra curriculum activities. During his third year, he was the Vice President of CIVER. Although he was busy managing the club, he still did excels in academic where he is in the dean's list for most of the semester.

During this interview session, he was keep on saying "My father is my inspiration! My father is my inspiration" with full of love in his eyes. His father is an elementary school teacher and at every possible ways when he was living in the village his father had guided and motivated him to work hard and excel in his studies to reach the success. His advice that Majeed took with him to Malaysia is one of the pillar that made him always committed with his study life. He would make sure his assignments and projects are completed well ahead before the due date and he never practises 'last minute work' habits. He actively involves in group discussions and helps out with their homework too. When it come to laboratory work, Majeed is the very few of the many that does the task voluntarily. In the future, he would love to pursue his Master level postgraduate study and his little piece of advise to other international students here,

*'Remember! You came here to study but at the same time also to gain some new experiences, to learn culture and skills. Always try to involve with the Malaysian students and the community in any activities that unleash your creativity and try everything in this lovely country. Focus on your study and don't forget the soft skills that will expose yourself and let you find a job easily. Learn to live a simple life and never ever try to hurt others'*

With that advice from Majeed to his other fellow mates here, we from the MOMENT team of FKASA would like to see Majeed always being a role model to many students out there. May his consistent endeavour and passion to success bears fruit and fulfils his father's dream and the entire family and friends. May the Almighty bless him and his family.

## BIODATA

Name : Abdulmajeed Ali Al-hokabi  
D. O. B : 26 April 1993  
P.O.B : Amran, Yemen  
Sibling : 2nd child from 23 siblings

Inspiration: Always been his father's advice and his dedication

Future plan: Would like to pursue his postgraduate study at masters level in UMP

## ITEM UMP STUDENT SECTION



Majeed with his father on his right and the rest of his siblings in Yemen

## CROSS-WORD MOMENT by arif@bee

SERIES 03/18

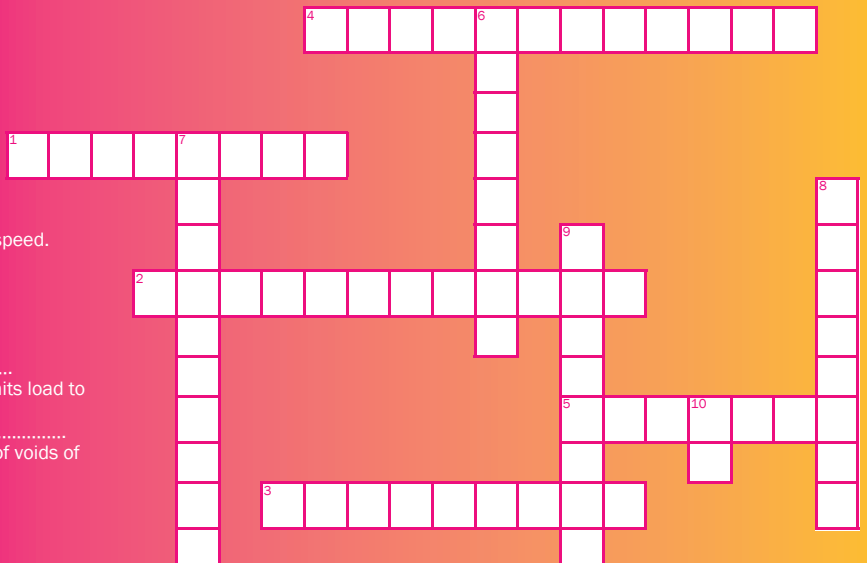
NAME : \_\_\_\_\_  
ID NUMBER : \_\_\_\_\_  
PHONE NUMBER : \_\_\_\_\_

### ACROSS

1. A place to dump or burial of waste materials.
2. Waste treatment system using high temperature.
3. \_\_\_\_\_ is a measure of fluid resistance to flow.
4. A rate of change of speed resulting in an increase in travel speed.
5. Slow movement of gravitational water through the soil.

### DOWN

6. Liquid that drains out from a landfill is known as.....
7. Part of structure which is directly in contact with and transmits load to the ground.
8. Liquid waste discharged into a river or sea is known as.....
9. The ratio usually expressed as a percentage of the volume of voids of a given soil mass to the total volume of the soil mass.
10. Acidity and alkalinity.



**NOTE:** Collect answers to all the 4 series and return them to FKASA office by 31<sup>st</sup> of January 2019. ALL entries with correct answers will stand a chance for an amazing luck draw prizes during major event in the faculty. Only one entry per person is allowed in order to be eligible to enter the prize draw.

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